

IN THE CLAIMS:

This listing of claims will replace all prior versions of claims.

1-32. (Cancelled)

33. (Currently amended) A method for sequencing nucleic acid, the method comprising the steps of:

amplifying nucleic acid obtained from a biological sample;

hybridizing the amplified nucleic acid to a complementary nucleic acid sequence to form one or more duplexes;

adding at least one nucleotide comprising a detectable label to said duplex, wherein said nucleotide ~~comprises a free 3' hydroxyl~~ and is not a dideoxy nucleotide;

identifying said nucleotide comprising said detectable label; and

repeating said adding and identifying steps, thereby to determine the sequence of said nucleic acid.

34. (Previously Presented) The method of claim 33, wherein said amplifying step comprises polymerase chain reaction (PCR) amplification.

35. (Previously Presented) The method of claim 33, wherein said amplifying step comprises cloning.

36. (Previously Presented) The method of claim 33, further comprising immobilizing said one or more duplexes on a substrate.

37. (Previously Presented) The method of claim 36, wherein said one or more duplexes are immobilized such that said one or more duplexes are individually optically resolvable on said substrate.

38. (Previously Presented) The method of claim 33, wherein said detectable label is an optically-detectable label.

39. (Previously Presented) The method of claim 38, wherein said optically-detectable label is a fluorescent label.

40. (Previously Presented) The method of claim 38, wherein said optically-detectable label is a chemiluminescent label.